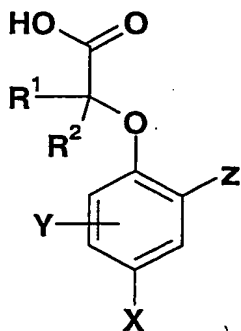


CLAIMS

1. A compound of formula (I) or a pharmaceutically acceptable salt thereof:



(I)

in which:

10 X is C₁₋₆alkyl or OR⁶;

Y is selected from hydrogen, halogen, CN, nitro, SO₂R³, OR⁴, SR⁴, SOR³, SO₂NR⁴R⁵, CONR⁴R⁵, NR⁴R⁵, NR⁶SO₂R³, NR⁶CO₂R⁶, NR⁶COR³, C₂-C₆ alkenyl, C₂-C₆ alkynyl, C₃-C₇ cycloalkyl or C₁₋₆alkyl, the latter four groups being optionally substituted by one or more substituents independently selected from halogen, OR⁶ and NR⁶R⁷, S(O)_nR⁶ where n is 0, 1 or 2;

Z is aryl or a ring A, where A is a six membered heterocyclic aromatic ring containing one or more nitrogen atoms or may be a 6,6 or 6,5 fused bicycle containing one or more O, N, S atoms, the aryl or A rings all being optionally substituted by one or more substituents independently selected from from hydrogen, halogen, CN, OH, SH, nitro, COR⁹, CO₂R⁶, SO₂R⁹, OR⁹, SR⁹, SOR⁹, SO₂NR¹⁰R¹¹, CONR¹⁰R¹¹, NR¹⁰R¹¹, NHSO₂R⁹, NR⁹SO₂R⁹, NR⁶CO₂R⁶, NHCOR⁹, NR⁹COR⁹, NR⁶CONR⁴R⁵, NR⁶SO₂NR⁴R⁵, aryl, heteroaryl, C₂-C₆ alkenyl, C₂-C₆ alkynyl, C₃-C₇ cycloalkyl or C₁₋₆alkyl, the latter four groups being optionally substituted by one or more substituents independently selected from halogen, C₃-C₇ cycloalkyl, OR⁶, NR⁶R⁷, S(O)_nR⁶ (where n is 0, 1 or 2), CONR⁶R⁷, NR⁶COR⁷, SO₂NR⁶R⁷ and NR⁶SO₂R⁷.

R¹ and R² independently represent a hydrogen atom, halogen, C₂-C₆ alkenyl, C₂-C₆ alkynyl, C₃-C₇ cycloalkyl or a C₁₋₆alkyl group, the latter four groups being optionally substituted by one or more substituents independently selected from halogen, C₃-C₇ cycloalkyl, NR⁶R⁷, OR⁶, S(O)_nR⁶ (where n is 0, 1 or 2);

or

5 R^1 and R^2 together can form a 3-8 membered ring optionally containing one or more atoms selected from O, S, NR^6 and itself optionally substituted by one or more C_1 - C_3 alkyl or halogen;

10 R^3 represents C_3 - C_7 cycloalkyl or C_{1-6} alkyl which may be optionally substituted by one or more substituents independently selected from halogen, C_3 - C_7 cycloalkyl, OR^6 and NR^6R^7 , $S(O)_nR^6$ (where $n = 0, 1$ or 2), $CONR^6R^7$, NR^6COR^7 , $SO_2NR^6R^7$ and $NR^6SO_2R^7$;

15 R^4 and R^5 independently represent hydrogen, C_3 - C_7 cycloalkyl or C_{1-6} alkyl, the latter two groups being optionally substituted by one or more substituents independently selected from halogen, C_3 - C_7 cycloalkyl, OR^6 and NR^6R^7 , $S(O)_nR^6$ (where $n = 0, 1$ or 2), $CONR^6R^7$, NR^6COR^7 , $SO_2NR^6R^7$ and $NR^6SO_2R^7$;

or

20 R^4 and R^5 together with the nitrogen atom to which they are attached can form a 3-8 membered saturated heterocyclic ring optionally containing one or more atoms selected from O, $S(O)_n$ (where $n = 0, 1$ or 2), NR^8 , and itself optionally substituted by halogen or C_{1-3} alkyl;

25 R^6 and R^7 independently represents a hydrogen atom or C_1 - C_6 alkyl;

R^8 is hydrogen, C_{1-4} alkyl, $-COC_{1-4}$ alkyl, CO_2C_{1-4} alkyl or $CONR^6C_{1-4}$ alkyl;

30 R^9 represents aryl, heteroaryl, C_3 - C_7 cycloalkyl or C_{1-6} alkyl, the latter two groups may be optionally substituted by one or more substituents independently selected from halogen, C_3 - C_7 cycloalkyl, aryl, heteroaryl OR^6 and NR^6R^7 , $S(O)_nR^6$ (where $n = 0, 1$ or 2), $CONR^6R^7$, NR^6COR^7 , $SO_2NR^6R^7$ and $NR^6SO_2R^7$;

35 R^{10} and R^{11} independently represent aryl or heteroaryl, hydrogen, C_3 - C_7 cycloalkyl or C_{1-6} alkyl, the latter two groups being optionally substituted by one or more substituents independently selected from halogen, C_3 - C_7 cycloalkyl, aryl, heteroaryl, OR^6 and NR^6R^7 , $S(O)_nR^6$ (where $n = 0, 1$ or 2), $CONR^6R^7$, NR^6COR^7 , $SO_2NR^6R^7$ and $NR^6SO_2R^7$;

or

R¹⁰ and R¹¹ together with the nitrogen atom to which they are attached can form a 3-8 membered saturated heterocyclic ring optionally containing one or more atoms selected from O, S(O)_n (where n = 0, 1 or 2), NR⁸, and itself optionally substituted by halogen or C₁-C₃ alkyl.

2. A compound according to claim 1 in which R¹ and R² independently represent a hydrogen atom, C₂-C₆ alkenyl, C₂-C₆ alkynyl, C₃-C₇ cycloalkyl or a C₁₋₆alkyl group, the latter four groups being optionally substituted by one or more substituents independently selected from halogen, C₃-C₇ cycloalkyl, NR⁶R⁷, OR⁶, S(O)_nR⁶ (where n is 0, 1 or 2) or R¹ and R² together can form a 3-8 membered ring optionally containing one or more atoms selected from O, S, NR⁶ and itself optionally substituted by one or more C₁-C₃ alkyl or halogen;

3. A compound according to claim 1 or 2 in which X is C₁₋₄alkyl or C₁₋₄alkoxy.

4. A compound according to any one of claims 1 to 3 in which Y is hydrogen.

5. A compound according to any one of claims 1 to 4 in which Z is phenyl or optionally substituted as defined in claim 1.

6. A compound according to any one of claims 1 to 4 in which Z is phenyl or optionally substituted by one or more substituents independently selected from halogen, C₁₋₃alkyl, cyano and SO₂R⁹.

7. A compound according to any one of claims 1 to 6 in which R¹ and R² are both hydrogen or one is hydrogen and the other is C₁₋₃ alkyl.

8. A compound according to any one of claims 1 to 7 selected from:

[(5-Methylbiphenyl-2-yl)oxy]acetic acid,

{[5-Ethyl-4'-(methylsulfonyl)biphenyl-2-yl]oxy}acetic acid

{[4'-(Ethylsulfonyl)-5-methoxybiphenyl-2-yl]oxy}acetic acid

[[4-Chloro-4'-(ethylsulfonyl)-2',5-dimethyl[1,1'-biphenyl]-2-yl]oxy]-acetic acid

[[4'-(Ethylsulfonyl)-2',5-dimethyl[1,1'-biphenyl]-2-yl]oxy]-acetic acid

2-[[3'-Cyano-5-methyl[1,1'-biphenyl]-2-yl]oxy]-(2S)-propanoic acid

2-[[2'-Fluoro-5'-cyano-5-methyl[1,1'-biphenyl]-2-yl]oxy]-(2S)-propanoic acid

and pharmaceutically acceptable salts thereof.

9. A compound of formula (I) according to any one of claims 1 to 8 for use in therapy.

10. A method of treating a disease mediated by prostaglandin D₂, which comprises administering to a patient a therapeutically effective amount of a compound of formula (I), or a pharmaceutically acceptable salt as defined in claims 1 to 8.

- 5 11. A method of treating a respiratory disease, such as asthma and rhinitis, in a patient suffering from, or at risk of, said disease, which comprises administering to the patient a therapeutically effective amount of a compound of formula (I), or a pharmaceutically acceptable salt or solvate thereof, as defined in claims 1 to 8.